APPENDIX A

Acronyms and Abbreviations

AC	air conditioning, or alternating current
ADRS	Automated Demand Response System
APU	auxiliary power unit
ASAP	Appliance Standard Awareness Project
ASHRAE	The American Society of Heating, Refrigerating and Air-Conditioning Engineers
Btu	British thermal unit
CARB	California Air Resources Board
CFL	compact fluorescent light-bulb
CIPEC	Canadian Industry Program for Energy Conservation
CO_2	carbon dioxide
Coops	Rural electric cooperatives
DC	direct current
DSM	demand-side management
DOE	(United States) Department of Energy
ESCO	energy service company
ESPP	energy smart pricing program
FEMP	Federal Energy Management Program
GHG	greenhouse gas
GW	Gigawatt
GWh	Gigawatt-hour
HVAC	heating, ventilation, air-conditioning and cooling
IECC	International Energy Conservation Code
IIAC	Intermountain Industrial Assessment Center
IRP	Integrated resource plan
kW	kilowatt
kWh	kilowatt-hour
LEED	Leadership in Energy and Environmental Design
LEV II	Low Emission Vehicle II program
LPG	liquefied petroleum gas
Munis	municipal electric utilities
MW	Megawatt
MWh	Megawatt-hour
NEMS	National Energy Modeling System
NOx	nitrogen oxides
O&M	operation and maintenance
OE	original equipment
OWHLF	Olene Walker Housing Loan Fund
PAYD	pay-as-you-drive insurance

PM	particulate matter
PSC	Public Service Commission
QGC	Questar Gas Company
RECO	residential energy conservation ordinance
RFP	request for proposal
RLF	revolving loan fund
RMP	Rocky Mountain Power
SBEEP	State Building Energy Efficiency Program
SO_2	sulfur dioxide
STIP	State Transportation Improvement Plan
SULEV	Super Ultra Low Emission Vehicle
SWEEP	Southwest Energy Efficiency Project
T&D	transmission and distribution
TOU	time-of-use
TRC	total resource cost
TSE	truck stop electrification
UDOT	Utah Department of Transportation
UIOF	Utah Industries of the Future
VMT	vehicle-miles traveled
WAP	Weatherization Assistance Program
WFRC	Wasatch Front Regional Council
WGA	Western Governors Association

Definitions of Key Energy Units

Btu	British Thermal Unit. Unit of energy measurement, namely the quantity of heat required to raise the temperature of one pound of water by one degree Fahrenheit.
Kilowatt	Unit of electric power equal to one thousand watts
Megawatt	Unit of electric power equal to one million watts
Gigawatt	Unit of electric power equal to one billion watts
Kilowatt-hour (kWh)	A measure of electricity equivalent to one kilowatt of power expended for one hour. The average Utah household consumes 9,650 kWh of electricity per year.
MWh	Unit of electricity equal to one thousand kilowatt-hours
GWh	Unit of electricity equal to one million kilowatt-hours
Therm	Unit of natural gas measurement, equal to 100,000 Btus and approximately equivalent to the energy content of 100 cubic feet of natural gas. The average Utah household consumes about 800 therms of natural gas per year.
Decatherm	Unit of natural gas measurement equal to 10 therms or one million Btus.

Energy efficiency is a proven, cost effective energy resource that can help meet Utah's growing energy demands. Energy efficiency improves Utah's competitiveness and has the potential to save billions of dollars, while creating jobs, reducing emissions, and preserving resources for future generations. Utah is well-poised to lead the nation toward a more energy efficient future.

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